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REFERENCES:

ATTACHMENT TO L-2706  
16 FEBRUARY 1967  
PAGE 1

BOMB SHELTERS  
HA NOI AREA, NORTH VIETNAM  
2101N 10551E

1. SIGNIFICANCE:

THIS BRIEFING BOARD PORTRAYS THE ESTABLISHMENT OF A  
SYSTEM OF DEFENSE SHELTERS THROUGHOUT THE HA NOI AREA.

2. REMARKS:

THE INDIVIDUAL TYPE BOMB SHELTER DEPICTED ON THE  
GRAPHIC APPEARS TO BE A VIETNAMESE INVENTION. THE USE OF  
LOCALLY MANUFACTURED CONCRETE PIPE ALLOWS THE NORTH  
VIETNAMESE TO CONSTRUCT HUNDREDS OF INEXPENSIVE INDIVIDUAL BOMB SHELTERS.

3. MISSION READOUT:

PHOTOGRAPHY FROM LOW ALTITUDE DRONE RECONNAISSANCE  
MISSIONS OVER HA NOI<sup>1</sup> REVEALS A SYSTEM OF DEFENSE SHELTERS  
BEING ESTABLISHED WITHIN THE CITY AND ITS ENVIRONS. THIS  
DEFENSE NETWORK CONSISTS OF BOTH BUNKERED SHELTERS,  
PROBABLY CONSISTING OF UNDERGROUND EXCAVATIONS WITH  
EARTHEN MOUNDS ABOVEGROUND, AND INDIVIDUAL SHELTERS.  
BOTH TYPES OF BOMB SHELTERS HAVE BEEN OBSERVED ALONG

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GROUP 1  
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SHORT STREET SEGMENTS, IN PUBLIC PARKS, AND DISPERSED  
THROUGHOUT BUILDING GROUNDS.

THE INDIVIDUAL SHELTER UNITS ARE MADE FROM PAIRED,  
CIRCULAR CONCRETE PIPES. EACH SECTION IS APPROXIMATELY

THE LOWER  
OR BASE SECTION, CONSTRUCTED WITH A SOLID CONCRETE  
BOTTOM, IS PLACED IN THE GROUND. A TOP SECTION, OPEN  
AT BOTH ENDS, IS THEN APPARENTLY CEMENTED TO THE BASE.  
A SMALL NOTCH ON THE UPPER EDGE OF THE TOP SECTION  
SERVES AS AN AIR VENT WHEN A CIRCULAR CONCRETE LID IS  
PLACED OVER THE SHELTER. THE RESULTING SHELTER,  
APPROXIMATELY FIVE FEET DEEP, CAN ADEQUATELY ACCOMMO-  
DATE AN INDIVIDUAL IN A CROUCHED OR STOOPED POSITION.

COLLATERAL PHOTOGRAPHY<sup>2</sup> REVEALS A METHOD OF  
PRODUCTION AND INSTALLATION OF THESE INDIVIDUAL SHELTERS.  
THE CONCRETE PIPE FOR THE SHELTERS IS PROBABLY MANU-  
FACTURED IN THE HA NOI AREA. ONE SMALL PLANT LOCATED  
IN THE NORTHWEST SECTION OF HA NOI (NEAR A REPORTED  
ENGINEERS BARRACKS AND WATERWORKS) IS OBSERVED WITH  
SEVERAL HUNDRED CONCRETE SECTIONS IN STORAGE. SIMILAR

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CONCRETE PRODUCTS HAVE BEEN OBSERVED AT THE HA NOI  
FERRO-CONCRETE PLANT (SEE NPIC BRIEFING BOARD K-9832).

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**BOMB SHELTERS**  
**HA NOI AREA, NORTH VIETNAM**  
21-01N 105-51E

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